

**CALIFORNIA
INTEGRATED WASTE
MANAGEMENT
BOARD**

California Integrated Waste Management Board

The mission of the California Integrated Waste Management Board (CIWMB) is to reduce waste, promote the management of all materials to their highest and best use, and protect public health and safety and the environment, in partnership with all Californians.

The CIWMB developed the following strategic goals within the context of Cal/EPA's strategic vision. The board supports and actively seeks to implement the goals and objectives included in the vision.

CIWMB Goal 1: Promote environmentally sound and financially viable waste prevention and materials management practices among all actors in the life cycle of products and services. The intent of this goal is to promote waste prevention, product stewardship, and resource conservation practices. It supports the following objectives in Cal/EPA's Strategic Vision goals 6 and 8: creating a plan for a sustainable California, encouraging personal and corporate responsibility through increased education and outreach, promoting the implementation of environmental management systems, and developing and using meaningful environmental performance indicators.

CIWMB Goal 2: Assist in the creation and expansion of sustainable markets to support diversion efforts and ensure that diverted materials return to the economic mainstream. This goal is directly tied to Cal/EPA's vision of preventing pollution and developing a sustainable California by returning valuable materials into the economic mainstream rather than wasting them in landfills. CIWMB efforts in this area support the objectives under Cal/EPA goals 1–3 and 5–8 as follows: promoting a green California State government; promoting commercialization and use of effective practices, products, and technologies that benefit the environment; tackling cross-media air, water, and energy issues; and encouraging personal and corporate responsibility.

CIWMB Goal 3: Educate the public to better understand and participate in resource conservation and integrated waste management strategies. CIWMB activities under this goal support goal 8 of the Cal/EPA Strategic Vision by focusing on expanding accessibility of information to the public through the Internet and expanding communication and training efforts.

CIWMB Goal 4: Manage and mitigate the impacts of solid waste on public health and safety and the environment and promote integrated and consistent permitting, inspection, and enforcement efforts. This goal supports Cal/EPA goals 4–5 and 7–8 by ensuring compliance with the law; defining and building the CIWMB's approach to integrated permitting, inspection, and enforcement; expanding components for education, outreach and assistance; increasing efforts to prevent or clean up pollution from inactive, illegal, or abandoned sites; building a higher level of technology and science-based decision; and working to ensure that communities are free from unacceptable human health and ecological risks.

CIWMB Goal 5: Improve the efficiency and effectiveness of the California Integrated Waste Management Board in pursuit of its mission. This goal supports Cal/EPA's Strategic vision through goal 8 by focusing on leadership, innovative information management, and organizational management, as well as cross-media and cross-organizational communication and collaboration.

CIWMB Goal 6: Continuously integrate environmental justice concerns into all of the Board's programs and activities, including administrative and budgetary decisions. CIWMB activities in this area support Cal/EPA's goal 6 through participation in Cal/EPA's environmental justice internal advisory group and the staff-level working group. The board is also assessing its programs and activities to devise a strategy to address environmental justice issues, and to incorporate input from all affected stakeholders, communities, and interested parties.

CIWMB Goal 7: Promote a "zero-waste California" where the public, industry, and government strive to reduce, reuse, or recycle all municipal solid waste materials back into nature or the marketplace in a manner that protects human health and the environment and honors the principles of California's Integrated Waste Management Act. This goal supports Cal/EPA goals 4–8, including promoting the development, commercialization, and use of effective environmental techniques and technologies; ensuring that environmental impacts for all media are considered in environmental policy and management decisions; creating a plan for a sustainable California; and expanding and improving cross-media communication and collaboration.

Energy

In light of California's ever-demanding energy situation, the CIWMB has targeted conversion technologies as a mechanism that will not only reduce the overall volume of unused organic materials sent to local landfills, but also provide a new source of fuel for generating electricity in California. This increase in energy production and the development of other emerging technologies and landfill-to-gas generation will aid in California's energy diversification goals.

Cal/EPA Goal 6: Ensure the efficient use of natural resources.

Cal/EPA Goal 7: Continuous improvement and application of science and technology.

Cal/EPA Goal 8: An efficient and effective Cal/EPA in pursuit of its mission.

Priorities

1. **Conversion Technologies:** Conversion technology includes different controlled processes—including heat and pressure, liquids, and anaerobic decomposition—that alter organic materials into reusable and beneficial products, such as energy and chemicals. Following enrollment of AB 2770 (Matthews, Chapter 740, Statutes of 2002), staff began planning a set of interrelated activities to meet these requirements. This includes development of the following scopes of work for a request for proposals and several interagency agreements that will be brought to the board for consideration beginning in January 2003: 1) request for proposals for analyses of life cycle

environmental impacts and financial/economic impacts of developing conversion technologies in California; 2) interagency agreement with UC Riverside and UC Davis campuses, for technical descriptions and evaluation of different conversion technologies; 3) interagency agreement with University of California Office of the President for required peer review; 4) interagency agreement with the Office of Environmental Health Hazard Assessment (OEHHA) for initial risk assessment on emissions data; 5) interagency agreement with Air Resources Board for review of financial/economic analysis methodology. In addition, informal public workshops on permitting of conversion technologies will be held, and the board will continue working with the Office of Planning and Research on renewable energy and alternative fuel production financing opportunities.

Cross-Media Initiatives

Historically, federal, State, and local environmental agencies have been organized on the basis of a single environmental medium—such as air, water, and land. By fostering cross-media coordination, we can pioneer innovative solutions and reap long-term benefits for the environment. By partnering with local government, private businesses, and product manufacturers, we can further promote and exercise product stewardship, address environmental justice, minimize pollution and waste generation, and safely manage unavoidable discards.

Cal/EPA Goal 2: Rivers, lakes, estuaries, and marine waters that are fishable, swimmable, support healthy ecosystems and other beneficial uses.

Cal/EPA Goal 3: Groundwater that is safe for drinking and other beneficial uses.

Cal/EPA Goal 5: Reduce or eliminate the disproportionate impacts of pollution on low-income and minority populations.

Cal/EPA Goals 7 and 8

Accomplishments

1. **E-Waste and Product Stewardship:** The CIWMB continued to represent State and local interests in negotiations coordinated by the National Electronics Product Stewardship Initiative (NEPSI) for a system to finance the economically and environmentally sound end-of-life management of electronic products. In support of this effort, the CIWMB summarized the information gathered through two local government workshops held in late May and compiled the results of a local government survey analyzing e-waste management cost and service concerns. The CIWMB also responded to the veto of e-waste legislation (SB 1523, Sher; and AB 1619, Romero) that would have established a fee on all cathode ray tubes (CRT) sold in the state. With the Department of Toxic Substances Control and the Office of the Secretary, CIWMB jointly hosted an all-day forum of stakeholders to begin mapping out solutions to the continuing electronic discards management challenge. CIWMB also sponsored a stakeholder comment

session on the developing “Guidelines for the Procurement, Use and End-of-Life Management of Electronic Equipment” project.

2. Nonpoint Source Pollution

- CIWMB staff participated in numerous meetings, workshops, and trainings to increase coordination between government agencies to reduce nonpoint source pollution. Participating agencies included the Urban Pesticide Committee, Arcade Creek Watershed Committee, Water-Wise Pest Control Program, Sacramento River Watershed Program, Sacramento County Master Gardeners, Regional Water Authority, Department of Water Resources, and the interagency coordinating committee of the State Water Resources Control Board (SWRCB).
- CIWMB provided the SWRCB with a detailed summary of its activities related to reducing nonpoint source pollution. The summary will be included in the State’s five-year nonpoint source pollution program plan.

3. Landscape Management Outreach Programs

- Worked with City of Sacramento staff to implement activities required for meeting the pollution prevention objectives of the North Natomas Landscape Management Outreach Program, which is funded by a U.S. Environmental Protection Agency (U.S. EPA) grant. Major accomplishments include: completing final draft of the Landscape Plant Guidelines which will be used in all newly planted landscapes in North Natomas, promoting the use of resource-efficient landscape management practices at several local landscaper educational events, and developing the support and promotional components for the “Focus on Natomas” homeowner outreach campaign.
- Landscape training was provided to Department of General Services’ staff in September as part of the Capitol Park Resource Efficient Landscaping Project. Training manuals on irrigation, fertilization, integrated pest management, and tree pruning were also developed and provided to them.
- Staffed a CIWMB landscape outreach booth at the Pesticide Applicators Professional Association (PAPA) seminars in Sacramento (September and December) and at the Southern California Turfgrass Council trade shows in Pomona (October) and Buena Park (December).
- CIWMB staff made presentations on reducing green waste in urban landscapes at PAPA seminars in Hayward (October) and San Jose (December) and at the Northern California Turf and Landscape Council Field Day at Bonfante Gardens in Gilroy (September).

4. Environmental Justice: The 2002–03 Used Oil Block Grant required that local government grantees must comply with environmental justice principles. CIWMB staff also included environmental justice principals in the terms and conditions and the scoring criteria of the Used

Oil and Household Hazardous Waste competitive grant cycles. In addition, the CIWMB approved a contract to develop an environmental justice guidance document for local government used oil and household hazardous waste programs. This contract is designed to identify service gaps to minority communities and provide a tool kit to enhance local government program delivery. The final report will be completed in January 2004.

5. **Landfill Study:** The CIWMB's contractor, GeoSyntec Consultants, completed task 2 of the study—a comprehensive, cross-media inventory of more than 230 municipal solid waste (MSW) landfills. To verify that the information contained in the database was accurate, the database was provided to landfill owners/operators and regulators for review and comment prior to completion. The contractor has also completed an initial draft report on emerging technologies that could, if applied, possibly improve California's multimedia regulation of municipal solid waste (MSW) landfills (task 7).
6. **Universal Wastes:** CIWMB and DTSC initiated a new project to address universal wastes (u-waste) other than cathode ray tubes (CRT). Goals include minimizing generation and developing a sufficient collection and recycling infrastructure for wastes generated prior to the February 2006 sunset of current exemptions for landfill disposal. This project is being conducted under the general auspices of Cal/EPA's innovation for sustainability program. Program staff, along with representatives from OEHHA and Cal/EPA, began meeting in November to develop objectives, work plans, and initial analyses of feasible outcomes/activities for different products within the universal waste arena.

Priorities

1. **Landfill Study:** The CIWMB's contractor continues to work on the landfill study. Upcoming work includes completing a statistical assessment of the comprehensive inventory to determine MSW landfill environmental performance for the period January 1998 through December 2001 (task 3); completing the assessment of current State regulatory effectiveness in protecting the environment for the short and long terms by gathering detailed data on more than 50 MSW landfills (task 4); analyzing the detailed data to assess regulatory effectiveness over time (task 5); completing the task 6 evaluation of MSW regulations of other states and countries for possible improvements to California's regulations; and, completing the task 7 analysis of emerging technologies that could possibly improve California's regulatory program.
2. **Stormwater Pilot Program:** As directed by the CIWMB, staff researched methods and programs to cost-effectively use oil grant funds. The funds should be used to collect and recycle or dispose of oil and oil byproducts from stormwater without compromising "core" used oil collection and recycling efforts. Staff reviewed specifications and existing literature on stormwater cleanup devices and programs. The CIWMB approved a contract concept for this effort in October. A scope of work and contract award will be brought to the board in January 2003. This information from the contract may be used to establish new criteria for subsequent competitive grant awards.

and to refine requirements for use of block grant monies for stormwater-related devices and programs.

3. **E-Waste and Product Stewardship:** The CIWMB will continue to represent State and local interests in negotiations coordinated by NEPSI for a system to finance the economically and environmentally sound end-of-life management of electronic products. The CIWMB will also monitor the progress of newly introduced legislation (SB 20, Sher) intended to ensure that funds are available to assist cities, counties, and recyclers of electronic wastes in developing programs to safely collect and recycle the hazardous materials contained in electronic wastes as well as to promote the refurbishment and reuse of electronic equipment for use by schools and nonprofit agencies. This legislation is expected to raise the level of discussion surrounding the concept of product stewardship to new heights. The CIWMB will also finalize and begin promoting through appropriate training venues the “Guidelines for the Procurement, Use and End-of-Life Management of Electronic Equipment,” which are intended to provide State agencies with information to minimize the environmental impact of electronic products.

4. **Nonpoint Source Pollution**

- Continue to work with the Urban Pesticide Committee, Arcade Creek Watershed Committee, Water-Wise Pest Control Program, the Sacramento River Watershed Program, the interagency coordinating committee of SWRCB, Department of Water Resources, City of Sacramento, California Urban Water Conservation Council, Regional Water Authority, Sacramento Urban Creeks Council, Sacramento County Master Gardeners, and other organizations to educate the public on proper landscape practices to reduce nonpoint source pollution.

As part of its external funding partnership program, CIWMB staff continues to seek out funding for two partnership projects in the areas of erosion control/water quality in Napa and Nevada County respectively. Section 319 Clean Water Act funds have been targeted for funding for these projects, and staff is waiting for a decision by the SWRCB on a submitted application for the Napa project. The Napa project involves exploring the use of composted mulches for erosion control and water retention on hillside vineyards, while the Nevada County project proposes to look at reforestation of hydraulically mined areas using composts made from locally derived biosolids and green waste.

5. **Landscape Management Outreach Programs**

- CIWMB will continue to work with City of Sacramento staff on the North Natomas landscape management program to obtain approval from the city planning commission to implement the use of the landscape plant guidelines on all newly planted North Natomas landscapes. Board staff will conduct a baseline survey of area residents to evaluate the effectiveness of the “Focus on Natomas” homeowner outreach campaign. CIWMB will participate in several more professional landscaper educational events to promote the use of

resource-efficient landscape management practices and pollution prevention goals of the program.

- Work with the Department of General Services (DGS), Waste Management Inc., and the Department of Water Resources to implement a mulch demonstration project at Capitol Park and to improve landscaping practices at the park.
 - Work with the Building Owners and Managers Association, Community Associations Institute, and other community and homeowner associations to encourage their members to adopt resource-efficient landscaping practices.
 - Staff the CIWMB landscape outreach booth at major trade shows to encourage the use of sustainable landscape practices.
6. **Universal Wastes:** CIWMB and DTSC will continue to develop analyses of feasible outcomes/activities for universal wastes, begin planning an initial stakeholders meeting tentatively scheduled for spring 2003, and begin developing a background paper for the stakeholders meeting.
7. **Driving Green:** CIWMB will work with DTSC to expand the department's training program for auto repair shops. The fleet manager training contract that will be considered by the board in early 2003 might be used in support of this effort. CIWMB used oil program staff also will consider other funding opportunities related to the driving green task force effort.

Loans/Grants

CIWMB uses a variety of funding opportunities to assist public and private entities in the safe and effective management of the waste stream. Grant and loan programs support public education, waste reduction, market development, load checking, household hazardous waste or special waste collection, recycling, and reuse projects.

Cal/EPA Goal 4: Communities that are free from unacceptable human health and ecological risks due to exposure from hazardous substances and other potential harmful agents.

Cal/EPA Goals 7 and 8

Accomplishments

1. **Household Hazardous Waste (HHW) Grants:** The fiscal year 2002–03 grant cycle was awarded at the August CIWMB meeting. The CIWMB awarded \$3 million in grants. Program scoring criteria emphasized HHW collection in rural areas or small cities and underserved populations. Additional program scoring criteria emphasized expansion of existing programs to initiate new HHW programs to include electronic waste (e-waste) collection and u-waste or paint.

2. **Used Oil Block Grants:** The fiscal year 2002–03 Used Oil Block Grants were awarded at the July CIWMB meeting. More than \$15 million was awarded on a non-competitive basis to California cities and counties based on population to implement used oil and filter collection programs. A new eligible cost was identified for stormwater mitigation activities. At its December board meeting, the CIWMB approved changes to the block grant program to improve administrative efficiency and reduce burdensome reporting requirements on grantees. These changes should result in more effective local used oil collection programs.
3. **Enforcement Assistance Grants:** The local enforcement agencies received \$1.5 million through this grant program to carry out solid waste facilities permit and inspection programs. The agencies spend the funds on equipment, training, and other program support.
4. **Recycling Market Development Zone (RMDZ) Loans:** The board appropriated \$10 million for new RMDZ loans in fiscal year 2002–03. In addition, \$2 million is available from the Tire Fund for loans to new tire recycling projects. The board approved nine RMDZ loans totaling \$5.7 million, plus one Tire Fund loan of \$370,000. An outside contractor identified two primary leveraging options to secure long-term funding for the RMDZ loan program. One option recommends that the board participate in the State loan guarantee program; the second recommends that the board sell RMDZ loans.

Priorities

1. **Reuse Assistance Grants:** The CIWMB will be soliciting and evaluating proposals for a special joint offering of reuse assistance grants. By combining the allocated funds of two fiscal years, staff will maximize the distribution of funds with a minimum of administrative processes. A total of \$500,000 should be available for distribution to approximately 10 grantees in late spring and early summer of 2003 to support the development of reuse infrastructures at the local level.
2. **RMDZ Loans:** With the help of the nonprofit Financial Development Corporations, staff will prepare an implementation plan for the board to participate in the State loan guarantee program. If the board approves the plan, staff will propose new regulations to implement this effort. New regulations are needed before recycling-based businesses can apply for private bank financing that is supported by a State loan guarantee. Staff will also prepare a public notice to solicit bids for the sale of RMDZ loans.
3. **Landfill Closure Loan Program:** AB 467 (Strom-Martin, Chapter 587, Statutes of 2002,) requires the CIWMB to create an interest-free landfill closure loan program for solid waste landfill operators who choose to close their older facilities early because of environmental problems associated with unlined landfills. The focus of the program will be on small, rural, unlined landfills. Loan priority will be given to operators of landfills that, if not closed, would create a potential threat to the public health, safety, or the environment. A maximum of \$500,000 will be available annually for this loan program.

4. **Used Oil Nonprofit Grant Award:** The fiscal year 2002–03 used oil nonprofit grant will be presented for award at the April 2003 board meeting. Approximately \$3.5 million is expected to be available for these grants to nonprofit organizations for used oil and used oil filter recycling projects. This grant cycle will be focused on applications that propose to do the following:
 - Use social marketing techniques to replace or supplement traditional media-based publicity and education methods to promote collection of used oil and/or filters.
 - Target an underserved population for the collection of used oil and/or filters.
 - Initiate a new program or support an existing program for collection of used oil and/or filters from one or more of the following: boaters, agricultural sources, or stormwater.
 - Initiate a new program or support an existing program for the purchase of re-refined oil and provide for continued and sustained re-refined oil availability in the target area after the grant period.
5. **Used Oil Research, Testing and Demonstration Grant Award:** The fiscal year 2002–03 research, testing and demonstration grant will be presented for award at the board’s June 2003 meeting. Approximately \$2 million will be available on a competitive basis for grants for developing collection technologies and/or uses for recycled or used lubricating oil. Eligible applicants may include individuals, businesses, local governments, and other public agencies, nonprofit organizations, and colleges or universities. Projects definable in one of the categories listed below will be eligible for priority program criteria points.
 - Project develops a technique, process, market, or product not already available in California, which utilizes re-refined motor oil.
 - Project involves an independent third party technology evaluation of storm drain inlet filter devices relating to stormwater pollution from used oil.
 - Project furthers the development and effectiveness of equipment designed to recover oil from oily water.
 - Project proposes to develop a cost-effective field test kit for use in identifying polychlorinated biphenyls (PCB) in used motor oil.
 - Project proposes to develop a strategy and establish a pilot program for collecting used oil from independent truckers.

Site Cleanup

Cleaning up and preventing the illegal disposal of municipal solid wastes and tires is a continuing challenge for local government. Board-funded cleanup and enforcement grants provide additional

resources for cities and counties to remove threats to public health, safety, and the environment caused by these sites in urban and rural areas across California.

Cal/EPA Goal 4

Accomplishments

1. **Solid Waste Cleanup Program:** CIWMB completed cleanups and remediations at the Sonoma Burn Dump; Vidal Junction illegal disposal site, San Bernardino County; and the Crevasse illegal disposal site, Los Angeles County.

Priorities

1. **Closed, Illegal, and Abandoned Sites:** CIWMB continues to complete priority investigations of closed, illegal, and abandoned disposal sites for transfer to enforcement phase work. If appropriate, CIWMB provides referral for cleanup through the solid waste cleanup program.
2. **Farm and Ranch Cleanup Grant Program:** CIWMB plans to complete and release the notice of funds available in January or February 2003, implementing all provisions of SB 1328 (Chesbro, Chapter 628, Statutes of 2002). CIWMB will also continue outreach and project development for farm and ranch grant program cleanup projects.
3. **Solid Waste Cleanup Program:** CIWMB will continue outreach and project development for solid waste cleanup program projects.

Integrated Education

By providing curricula and hands-on training workshops to teachers on the topic of waste prevention, CIWMB is committed to creating environmentally literate students/citizens who are able to understand and balance economic interests and environmental sustainability. Promoting educational partnerships at the local level—and teaching respect for the environment and the value of conserving natural resources—are accomplished within the context of the California State education standards for grades K–12.

Cal/EPA Goal 8

Accomplishments

1. **California Science Teachers Association (CSTA) Partnership:** The primary goal of the curricular-based composting unit is to provide 6th-grade students inquiry-type activities in order to discover how composting occurs. Students can then begin to practice composting at school or vermicomposting in the classroom. Field-testing this interactive unit by classroom teachers was completed and their comments for suggested changes are being processed. Teachers were particularly impressed with the alignment of the lessons to California State Content Standards for science, math, and language arts.

2. **Environmental Education:** The project team for SB 373 (Torlakson, Chapter 926, Statutes of 2001), now referred to as the School Diversion and Environmental Education Law (School DEEL), has developed a detailed work plan that identifies roles, responsibilities, and a timeline for completion of the project deliverables. The work plan was carried out in the second half of 2002 and will continue in early 2003. During the period of June to December, the Office of Integrated Environmental Education accomplished the following:
 - In September, the board approved the School DEEL implementation plan. The plan can be downloaded from www.ciwmb.ca.gov/agendas/mtgdocs/2002/09/00009095.doc.
 - In October, the board approved general scoring criteria for the Unified Education Strategy (UES) grant program. A copy of the criteria can be downloaded from www.ciwmb.ca.gov/Agendas/ (select October Board Meeting, Agenda Item #62).
 - The notice of funding availability for the UES grant program was issued in December.
 - In December, the board approved a list of school districts selected to receive technical and financial support from the Environmental Ambassador pilot program. The list is downloadable from www.ciwmb.ca.gov/Agendas/ (select December 2002 board meeting, Agenda Item #30).
3. **Cal/EPA Integrated Education Effort:** To achieve the unified education strategy contained in the School DEEL, the Office of Integrated Education will create an integrated, cohesive education program from the education efforts of Cal/EPA's boards, departments, and offices. A new education page has been designed and published on Cal/EPA's Web site with a direct link from the Cal/EPA home page. The education page includes a comprehensive look at what each Cal/EPA board, department, and office has to offer in the area of K–12 education products and services. The committee that worked on creating the education page will continue to meet periodically to identify other enhancements that can be made to the page and/or related pages so that it becomes a one-stop-shop for Cal/EPA customers.

Priorities

1. **California Science Teachers Association (CSTA) Partnership:** Staff is incorporating teacher comments into the units and will format and prepare the final lessons for publication. When the units have been finalized, the CSTA will format and place the resources on the CSTA Web site and provide the material to CIWMB for publishing on its school-related Web pages.
2. **Environmental Education:** Implementation of the first elements of the School DEEL is now underway with two major projects: the Environmental Ambassador Pilot Program (EAPP) and the UES grant program. The EAPP is an effort to work with several school districts on existing campus resource conservation programs and/or environmental education instructional programs. The program will assist the districts in bringing their programs up to "model" status for possible replication by other school districts. The UES grant program is a competitive grant program being

offered to public school districts in California. The program is designed to offer funding to districts for a two-phase and two-year partnership with the board. The program includes audits of resources and practices in the areas of waste management, energy usage, and water systems on campus, followed by analysis of the findings and culminating in an implementation plan for improving campus practices. Phase two is for implementation of the plan. Districts selected for this grant program will receive financial and technical support from CIWMB, other governmental agencies (State and local), and other service providers and support resources.

3. **Cal/EPA Integrated Education Effort:** With reduced State resources, collaboration and integration of programs and priorities become even more critical. The Cal/EPA internal education team will devote the first part of 2003 to developing a joint education work plan to link common goals and projects and strategize cost-efficient methods to jointly achieve them. This work plan will be aligned to the Cal/EPA strategic plan, the California State Plan for Environmental Education, and the School DEEL.

Waste Diversion/Waste Prevention

By conserving resources through waste prevention, reuse, and recycling, local jurisdictions are closing in on California's 50 percent diversion goal. CIWMB is a leader in this effort, providing training and technical assistance, introducing model programs for food management and composting, and disseminating tips on source reduction to State agencies and businesses. CIWMB is also encouraging incentives for "green" development and a sustainable future in California.

Cal/EPA Goals 6, 7, and 8

Accomplishments

1. **Time Extensions for Local Diversion Programs:** To date the board has approved 106 applications for time extensions for meeting the 50 percent diversion requirement and/or alternative diversion requirements, as allowed under SB 1066 (Sher, Chapter 672, Statutes of 1997). CIWMB staff is consulting with many others who may also decide to submit applications.
2. **Consideration of Jurisdictions' Petitions for New Base Years:** To accurately measure waste diversion, many jurisdictions are revising their base years and conducting waste generation studies. To date the board has approved new base years for 136 jurisdictions, and an additional 30 new base year requests are anticipated to come before the board for approval in the first quarter of 2003. Eleven jurisdictions are currently conducting waste generation studies that the board will most likely consider in the first quarter of 2003. Staff will continue to provide assistance to those jurisdictions in developing new base year and waste generation data for approval/adoption by the board.
3. **Electronic Annual Reporting (EAR):** After rolling out the new EAR system in 2001, improvements were made in response to user feedback. Every city and county must report information on waste diversion within its jurisdiction during the previous calendar year. This

report includes information about waste diversion programs implemented and discontinued, as well as the annual diversion rate. The EAR system is now widely used for this purpose by local jurisdictions, with almost 95 percent of the 449 jurisdictions filing their reports electronically.

4. **Implementation of SB 2202 Report Recommendations:** In response to recommendations in the 2001 report *A Comprehensive Analysis of the Diversion Rate Measurement System*, (corresponding to SB 2202, Sher, Chapter 740, Statutes of 2000), the CIWMB developed a legislative proposal to encourage regional agency formation and to add disposal reporting system enforcement provisions. Cal/EPA has approved the proposal.

In addition, the CIWMB Web site has been expanded to include additional tools and information such as the diversion rate accuracy indicators tool. This tool is for use by jurisdictions as a guideline to determine whether changes over time make use of the adjustment method less accurate in determining their diversion rate. Case studies of jurisdictions that have improved diversion rate accuracy by establishing new base years are now available on the CIWMB Web site.

5. **Rulemaking:** Revisions to the disposal reporting system and the adjustment method are in the informal regulations development and review process. This rulemaking is intended to improve diversion rate accuracy. Informal workshops for stakeholder input were held in December.
6. **Implementation of State Agency Diversion Program:** CIWMB staff analyzed the annual reports submitted by approximately 98 percent of the agencies and facilities that were required to report. The CIWMB entered into a memorandum of understanding with the State Controllers Office to assist the board in conducting audits. These audits developed a solid foundation and a consistent review process for the upcoming review of agency and facility compliance with the mandated 25 percent diversion by 2002. The CIWMB continued to provide technical assistance to State entities to help them meet the diversion goals. Finally, program staff concluded workshops in early December 2002. The workshops focused on assisting State agencies and facilities with the annual reporting requirements and describing how records should be maintained in the event of future audits.
7. **Implementation of School District Waste Reduction Program:** The primary goal has been to implement the requirements of the School DEEL. As such, CIWMB staff continues to provide ongoing technical and informational assistance to school districts and local jurisdictions in an effort to develop and improve school district waste reduction programs. This assistance is provided in concert with other related State agencies, such as DTSC and the State and Consumer Services Agency. The CIWMB also continues to implement its outreach plan targeting school-related professional associations and organizations to highlight the benefits and value of implementing districtwide waste reduction programs. Additionally, CIWMB staff continues to enhance the school waste reduction Web resources published in April 2002. These include

addition of the 2000 school district waste reduction survey results and analysis and new school waste reduction models.

8. **Annual Business Waste Reduction Awards Honored California's Best in 10th Annual Cycle:** The CIWMB's Waste Reduction Awards Program (WRAP) honored several hundred California businesses and other private organizations in its tenth year, many with multiple-site and multiple-year recognition. The 2002 WRAP award winners were announced in September to coincide with Pollution Prevention Week. The ten select "WRAP of the Year" winners, annually chosen from the winners-at-large based on outstanding accomplishments, were announced in November in conjunction with America Recycles Day.
9. **Statewide Food Residuals Summit:** A two-day food residual diversion summit was held October 22–23. A wide range of stakeholders participated, including food industry association representatives, food industry managers, local government representatives, health officials, food bank managers, composters, renderers, and waste haulers. Attendees shared information and learned about innovative technologies and programs. Attendees also provided valuable feedback during breakout sessions on specific topics. Results of this workshop will be disseminated through the CIWMB Web site and new publications. Results will also be presented to the board for consideration of future actions to encourage more food diversion in California.

Priorities

1. **Biennial Review of Jurisdictions' Progress in Implementing Diversion Programs:** Fewer than 100 biennial reviews of jurisdictions annual reports remain to be heard by the board in the first quarter of 2003. The majority of these jurisdictions conducted a generation-based diversion study and as a result, changed their reporting base year.
2. **Consideration of Jurisdictions' Petitions for New Base Years:** To accurately measure waste diversion, many jurisdictions are revising their base years and conducting waste generation studies. Thirty new base-year requests are anticipated to come before the board for approval in the first quarter of 2003. There are also 11 jurisdictions currently conducting waste generation studies that should also come to the board for consideration in the first quarter of 2003. Staff will continue to provide assistance to those jurisdictions in developing new base year and waste generation data for approval/adoption by the board.
3. **Electronic Annual Report:** The CIWMB will survey jurisdictions to determine changes and/or improvements for the next electronic annual report.
4. **Implementation of Diversion Rate Measurement System Report Recommendations**
 - The CIWMB will monitor the legislative proposal to add enforcement priorities for the disposal reporting system and to promote regional agencies.
 - The CIWMB Web site will be expanded to include additional tools and information:

- o Web-based training for diversion goal measurement is being developed and will be available in early 2003. Development of similar training modules on the disposal reporting system will begin in 2003 and be released after approval of the revised disposal reporting system regulations.
 - o Additional reports from databases will be available on the Web.
- 5. **Rulemaking:** The proposed draft disposal reporting system and adjustment method regulations will be revised based on comments received during the informal review process. The formal rulemaking process is expected to start in 2003.
- 6. **Waste Characterization:** The CIWMB will characterize types of disposed materials in 2003–04. The types of materials left in the waste stream change over time, as diversion efforts are successful. The CIWMB needs this data to make policy decisions on where to focus its efforts and to calculate the rigid plastic packaging container recycling rate.
- 7. **Implementation of State Agency Diversion Program:** The primary focus will be preparing for and reviewing agency/facility annual reports. The reports will outline compliance with the mandated 25 percent diversion by 2002. As part of the review, staff will conduct visits at sites reporting less than 25 percent diversion. This verification process will help determine if the reporting agency took all appropriate steps to determine diversion properly. It will also assist in identifying program areas with potential for increased waste diversion to achieve both the 25 and 50 percent diversion mandates. Staff will also request field visits at those agencies and facilities that report extremely high diversion, allowing the opportunity to learn from successful programs. Staff will finalize the development of the training video series to help State agencies and facilities develop and implement diversion programs. The videos will be viewable on the CIWMB Web site as well as in CD-ROM and VHS video formats.
- 8. **State Agency Recycling Recognition (STARR) Awards:** The STARR Awards recognize State agencies and facilities for outstanding waste diversion efforts. The board will be developing the award application and a brochure marketing the 2003 program to State agencies/facilities. The State agency/facility award applications will be due to the board in July 2003.
- 9. **Implementation of School District Waste Reduction Program:** In spring of 2003, the CIWMB will conduct a training program for CIWMB staff regarding school district waste reduction programs. This training program will highlight how local jurisdictions, school districts, and board staff can work together to implement districtwide waste reduction programs. The training will also feature the CIWMB's Web-based resources for school district waste reduction program implementation. Additionally, in June 2003, CIWMB staff will conduct another school district survey to evaluate the implementation of school waste reduction programs in the State. If the CIWMB determines that less than 75 percent of schools have implemented a waste reduction program, the CIWMB must recommend to the Legislature those statutory changes needed to require schools to implement such a program. The CIWMB will also continue to implement its

outreach plan targeting school business decision-makers through their school-related professional associations and organizations to emphasize the benefits and value of implementing districtwide waste reduction programs. CIWMB will also make continuous improvements to the CIWMB Web resources for school district waste reduction, such as adding waste reduction resources for school district transportation departments, frequently asked questions, and partnership links.

10. **Waste Reduction at Non-State Venues and Large Events:** The CIWMB is developing tools and resources aimed at increasing waste reduction at non-State venues such as stadiums, amusement parks, and museums and at large events such as food festivals and cultural events. These tools will be available on the board's venues and large events Web site, which is targeted to be operational in the summer of 2003.
11. **Annual Business Waste Reduction Recognition To Emphasize Strategic Priorities:** The CIWMB's WRAP awards program will enter its 11th cycle in 2003. As it does each cycle, the program will adjust and refine the application's focus to highlight evolving priorities. As the CIWMB moves forward with the implementation of its visionary 2001 Strategic Plan, the WRAP application, which is completed by eligible businesses and organizations, will emphasize topics such as zero waste, product stewardship, and education. The 2003 WRAP application cycle will run from April 1 through June 30, and the winners will be announced in September to coincide with Pollution Prevention Week.

Market Development

Market demand for recycled-content products is essential to the success of recycling and waste reduction programs. The CIWMB's market development goals are designed to encourage markets for secondary materials generated in California. Through the efficient collection and processing of recycled materials, along with the commitment from manufacturers to use recycled-content feedstock, the board continues to promote the development of high-quality and value-added recycled-content products (RCP) for the California marketplace.

Cal/EPA Goals 6, 7, and 8

Accomplishments

1. Organics Regulatory Issues

- **Proposed Rule 1133:** CIWMB will continue to respond to proposed rule 1133 from the South Coast Air Quality Management District (SCAQMD), which would enclose composting. The CIWMB will complete a contract to provide additional emissions testing data for analyzing impacts of the proposed rule and will continue to coordinate with the composting industry and local jurisdictions.
- **Clopyralid:** AB 2356 (Keeley, Chapter 591, Statutes of 2002,) requires Cal/EPA's Department of Pesticide Regulation (DPR) to make a determination by April 2003 about uses

of clopyralid that are not likely to result in clopyralid residues in compost. The law, which becomes effective on January 1, 2003, also requires DPR to take actions on those uses for which the department cannot make such a determination. CIWMB and DPR have been working cooperatively on this issue for approximately one year, and in November the two agencies co-convened the third external stakeholders advisory committee on clopyralid in compost. The meeting focused on AB 2356 implementation issues, testing and reporting protocols. Also on the agenda were committee plans to gather information to assist DPR in making its determination and plans to develop outreach/educational material for residents and professional landscapers.

- **Sudden Oak Death:** CIWMB will continue to work with the California Department of Food and Agriculture (CDFA) and the U.S. Department of Agriculture (USDA) in resolving issues related to movement of infested material. The CIWMB will implement the contract with UC Berkeley for additional research on the efficacy of composting as a treatment method.
 - **External Funding for Organic Materials Management (OMM) Partnership Project:** The board recently implemented a partnership program that identifies external grant funds and partners with qualified research teams working in the organics arena. Under the partnership arrangement, board staff provides resources (in-kind services, staff time) to target funding sources and help with application and project needs while partners get funding directly.
6. **Nursery Compost Use:** Staff surveyed 150 wholesale nurseries in California to determine the present use of compost in nursery growing regimes. The survey also included information on what compost characteristics/specifications are needed in specialty blends of compost to accommodate unique growing environments of nurseries. Staff presented findings at the *Biocycle* conference in 2002 and developed fact sheets highlighting survey findings.
 7. **Sustainable Environmental Design and Education Program:** The board provided funding to Cal Poly University to develop sustainable environmental design curriculum for college and university architecture and landscape architecture programs, and for professional continuing education programs. Cal Poly is currently completing a survey of programs throughout the country to determine what information is being provided/taught and what information is available for use in the program to be developed.
 8. **State Agency Buy Recycled Campaign (SABRC):** CIWMB will continue its increased outreach efforts to the largest procuring agencies with the goal of capturing \$400 million in total reportable purchases for fiscal year 2001–02. CIWMB has established a goal of 90 percent of agencies reporting, in addition to an increase in the total number of agencies included in the SABRC. CIWMB will also focus on increasing role of the Department of General Services (DGS) in the SABRC. Specifically, CIWMB will look for an increase in the number of RCPs available on Statewide contracts, increased use of the recycled-content certification form, and increased SABRC presence in DGS trainings, outreach, Web site, promotional activities, and publications.

In addition, the board entered into an interagency agreement with the State Controller's Office to audit a select number of SABRC reports and is contracting to perform a program evaluation of the effectiveness of SABRC.

9. **Rigid Plastic Packaging**

- CIWMB, in cooperation with the Department of Conservation, has completed the 2001 processor survey necessary to determine recycling rates for all rigid plastic packaging containers (RPPC) and for polyethylene terephthalate (PET) RPPCs. The board adopted the rates at its September 17 meeting. Because the all-container recycling rate was 25 percent or more (estimated rate was 26.1 percent), all regulated product manufacturers can demonstrate compliance with California's RPPC law. Accordingly, there will not be a compliance certification for 2002.
- Presenting final results of compliance agreements for the combined 1997, 1998, and 1999 RPPC certification cycle will occur through mid-2003.

6. **Implementation of Executive Order D-16-00:** This order provides a solid foundation of lasting institutional changes in the way the State designs, constructs, operates, and renovates buildings. Significant updates of action items from the Sustainable Building Task Force's "Building Better Buildings: A Blueprint for Sustainable State Facilities" include the pre-approved checklist of green building features approved by the Department of Finance, the LEED Supplement for California State Facilities, and the Reference Specification for Energy and Resource Efficiency. It also includes updating the Web site, which has become one of the CIWMB's most popular sites, and filling in gaps as new information becomes available.

Sustainable building staff presented its newest training module on establishing local programs at three venues Statewide with more than 130 people attending. A sustainable building materials module targeted at design professionals is currently under development, with roll-out planned for early 2003. CIWMB is also working with the Department of Finance and DGS to foster the use of life-cycle costing, which is essential for justifying the higher initial costs of some sustainable building practices. Tracking long-term performance is a priority that continues to need technological support and resources for creating and maintaining a database.

7. **Zone Administrator (ZA) Training:** With technical assistance from the City of Long Beach, CIWMB conducted ZA training workshops focused on incorporating environmental justice in the recycling market development zones (RMDZ), RMDZ marketing strategies, zone renewals, and economic gardening. These workshops not only serve to inform and provide ZAs with practical tools and resources to use in their RMDZ activities, but they are excellent venues for the ZAs to network with each other, resolve global program issues, and share successes. Board members have participated on speaker panels, which fosters more communication between the CIWMB and the California Association of Zone Administrators.

8. **RecycleStore:** A two-year effort to expand this unique online catalog of recycled-content products was successfully concluded. The RecycleStore is a free marketing and information exchange service for RMDZ businesses. This catalog started out with 35 products and now includes more than 360 products from 50 zone manufacturers. More than half of the established RMDZs actively participate in the RecycleStore, and interest is continuing to grow. This project has been a great marketing resource for businesses in the rural sectors of the State, where waste diversion and marketing recyclables are a challenge.

Priorities

1. **Recycling Market Development Zone Redesignations:** Zone designations for 12 of the RMDZs expire in the first half of 2003. Program staff will work closely with the zone administrators to present redesignations to the board for consideration so that RMDZ program services will continue uninterrupted.
2. **Implementation of Executive Order D-16-00:** (See description of order under Accomplishments.) New activities include working with DGS to improve the specification for modular classrooms and increased outreach to higher education and other entities with significant construction activities. Plans are also underway for a major sustainable building conference for higher education with a focus on UC Merced. Finally, staff will work to better identify opportunities to incorporate sustainable building language in State construction authorizations so change becomes institutionalized.
3. **Jobs Through Recycling:** This project is partially funded by a grant from the U.S. EPA and is focused on strengthening the recyclable markets in the Alameda County region. Staff will continue to work with the project partners to establish an eco-industrial park and publish a case study and final report based on this long-term project.
4. **Investor Forums:** Staff plans to work closely with the Materials for the Future Foundation to conduct two investor forums for businesses that produce recycled-content products or are involved in conversion technology. These forums are tentatively scheduled for spring 2003.
5. **Economic Gardening Demonstration Project:** Economic gardening is a unique approach to economic development that seeks to promote innovation and growth of local businesses. This demonstration project applies economic gardening techniques specifically to recycling-based manufacturers in recycling market development zones. One-third of the RMDZs are participating in this project. By summer 2003, staff will determine if this effort should be incorporated into the core RMDZ program, and whether these services should be outsourced or conducted by board staff.
6. **Plastics “White Paper”:** The CIWMB, in cooperation with the Department of Conservation, is developing an issue paper, or “white paper,” to systematically analyze the manufacture, use, disposal, and recycling of plastics in California. The white paper will develop innovative

solutions for overcoming obstacles faced by local jurisdictions, waste haulers, and recyclers attempting to collect more plastic from the waste stream, and by manufacturers wanting to use more postconsumer resin in products and packaging. This will help CIWMB refocus its efforts in the management of plastics from rigid plastic packaging containers and trash bags to all types of plastics within the waste stream. The ultimate goal is to optimize plastics use, recycling, and disposal in California. The final report is scheduled for presentation to the board in March 2003.

7. Rigid Plastic Packaging

- Conduct certifications for 2000 and 2001. These certifications will determine whether regulated companies complied with the rigid plastic packaging container law.
- Notice regulations to improve efficiencies and eliminate confusion (April 2003).
- Consider penalty criteria for companies in violation of the RPPC law (March 15–16, 2003, CIWMB meeting).
- Hold public hearings in late spring 2003 for companies that failed to comply with the RPPC law. Staff estimates that 20 companies may be fined an average of \$50,000 for a total of \$1 million.

8. Organic Materials Management

- Clopyralid: The CIWMB and DPR will convene a fourth stakeholder meeting to discuss information gathered by stakeholders, CIWMB, and DPR for use by DPR in making its April 2003 determination. This will include preliminary information from the CIWMB's ongoing infrastructure survey of the organics recycling industry. The CIWMB will post finalized testing and reporting protocols and outreach/educational materials on its Web site. CIWMB and DPR also will continue to work on this issue with herbicide manufacturers, the composting industry, and others stakeholders on meeting the requirements of AB 2356, which addresses the issue of persistent herbicides.
- CIWMB is continuing to collaborate with SCAQMD, the composting industry, and local jurisdictions to revise the proposed rule(s) into more affordable yet effective control measures. CIWMB will complete an additional evaluation including emissions testing to develop "best management practices" for green waste composting that will reduce emissions.
- Sudden Oak Death (SOD): CIWMB will continue to work with CDFA and USDA in resolving issues related to movement of SOD host material. In the next six months, CIWMB will complete the contract with UC Berkeley for additional research on the use of composting as an alternative treatment method to eliminate the SOD pathogen in green waste. This research will be sent to USDA/CDFA regulatory staff for consideration of composting as an SOD alternative treatment in early 2003.

- Biennial Infrastructure Survey: CIWMB has entered into contract for the second assessment of California's compost- and mulch-producing infrastructure. The final report will be completed in the summer of 2003. This will provide valuable information and will provide a second set of data to the first survey.
 - One request for external funding by the OMM project has resulted in an \$110,000 grant award from California Department of Food and Agriculture's "Buy California" program. UC Santa Clara Cooperative Extension submitted the proposal, entitled "Developing Technology to Grow Mushrooms from Recycled Urban Waste and Food Scraps and Paper Waste." Board staff will provide assistance to research the economic feasibility of using a variety of recycled waste materials and practices, including composted yard trimmings and food scrap and paper waste vermicomposting in commercial mushroom growing regimes.
9. **Recycled Product Trade Show:** The 4th Annual Recycled Product Trade Show will take place at the Sacramento Convention Center, April 10 and 11, 2003. CIWMB established targets of increasing exhibitor participation from 112 booth spaces to 150, receiving \$20,000 in sponsorship revenues, and exceeding 2,000 attendees for the two-day event.

Facility Permitting/Enforcement

The California Integrated Waste Management Act mandates diversion of recyclable materials from the waste stream and the safe handling and disposal of all nonhazardous solid waste. The CIWMB, in partnership with local governmental agencies, is responsible for regulating the operations of solid waste facilities. It also administers remediation programs for orphaned, illegal, and abandoned dumpsites.

Cal/EPA Goals 4, 5, 7, and 8

Accomplishments

1. **Local Enforcement Agency (LEA) Training:** CIWMB provided a variety of LEA training sessions that included inspector field training tours, hands-on landfill gas training, load checking, and understanding the California Division of Occupational Safety and Health (Cal/OSHA) regulations. In addition, the 6th Annual LEA/CIWMB Partnership Conference was held in August. Technical sessions ranged from post-closure development to conversion technologies. This annual conference offers LEAs and CIWMB staff networking opportunities and chances to share successes and obstacles and to enhance partnerships.
2. **Enforcement Agency:** CIWMB staff, acting as enforcement agency in five local government jurisdictions, conducted 138 inspections of 27 different facilities. This is an ongoing effort.
3. **Compostable Material Regulations:** The CIWMB adopted these regulations in November. CIWMB staff will submit the final rulemaking file to the Office of Administrative Law by April 1, 2003.

4. **LEA Evaluations:** CIWMB completed the LEA evaluation process for Kern, Tehama, Yolo, Colusa, Inyo, El Dorado, and Lassen/Modoc/Plumas/Sierra counties. CIWMB monitored LEA compliance with evaluation work plans that address performance issues identified in LEA evaluation results for the following jurisdictions: Imperial, Tulare, San Luis Obispo, Monterey, and Amador counties.
5. **Rulemaking:** CIWMB completed the following rulemakings:
 - Process for CIWMB withdrawal of approval of local enforcement agency designations.
 - Administration of LEA enforcement assistance grants.
 - Permitting and minimum operating standards for the transfer/processing of putrescible wastes.

Priorities

1. **Landfill-Gas-to-Energy (LFGTE) Task Force:** Continue participation in LFGTE task force as requested and implement plan to incorporate flexibility for State approval of alternative landfill projects upon adoption by U.S. EPA of a Subtitle D regulation on research, development, and demonstration projects.
2. **LEA Training:** CIWMB continues to provide a variety of classes to the LEAs, facility operators, and staff. Classes will tackle topics such as the compostable materials regulations, universal waste, illegal dumping on tribal lands, and alternative daily cover.
3. **LEA Evaluations:** CIWMB will be completing the LEA evaluation process and finalizing evaluation results for the jurisdictions in Fresno, Colusa, and El Dorado counties. CIWMB anticipates that some additional LEA jurisdictions will require monitoring once their evaluation results are finalized. In addition to those jurisdictions mentioned in accomplishment 4 above, the CIWMB will continue to monitor Tehama, Lassen/Modoc/Plumas/Sierra, Mono/Alpine, and Kern counties and the City of San Jose for LEA compliance with evaluation work plans. Upon completion of the remaining LEA evaluations, staff will present to the CIWMB an LEA evaluation status update for the current cycle. This will provide the CIWMB an opportunity to amend the current evaluation process should it deem it appropriate.
4. **LEA Outreach and Issue Research:** CIWMB staff continues to work with other Cal/EPA entities, CDFA, and University of California contacts on various issues, including potential bioaerosols, clopyralid, and other persistent pesticides in composting, plant pathogens such as sudden oak death, and avian and potential animal product composting. Staff has started the process of initial scoping and information gathering for the next phase of compostable materials regulatory effort that will initially address potential small quantity generator exemptions.

5. **Odor Impact Minimization Plan/Compostable Materials Regulation Workshops:** CIWMB staff will begin training LEAs and operators in the development and use of the odor impact minimization plan that is required in the new regulations. The workshops are designed to assist in the early implementation of this new standard. The workshops will include a discussion of regulatory changes and implementation of these changes.
6. **Best Management Practices (BMPs) for Compostable Materials:** CIWMB continues efforts to coordinate with industry, LEAs, University of California, and local and State government agencies in developing best management practices and odor mitigation measures to satisfy the requirements of SB 675 (Costa, Chapter 788, Statutes of 1997) and SB 88 (Costa, Chapter 424, Statutes of 2001). Research on odor-controlling BMPs that integrate feedstock handling and composting technologies is being developed to enhance the “good neighbor” status for existing and new operations.
7. **Universal and Electronic Waste Working Group Support:** CIWMB staff continues to participate in the universal waste and electronic waste working groups and to facilitate response to—and resolution of—LEA concerns regarding these issues.
8. **Solid Waste Facility Permits:** CIWMB anticipates the submission of applications for the expansion of the following landfills:
 - Sunshine Canyon Landfill (both the City of Los Angeles portion and County of Los Angeles portion).
 - Bradley Landfill West and West Extension (City of Los Angeles).
 - Puente Hills Landfill (County of Los Angeles).
 - Tajiguas Sanitary Landfill (County of Santa Barbara).

Waste Tires and Special Waste

The CIWMB is responsible for the safe management of more than 36 million waste tires generated, imported, and stockpiled annually in California. The five-year plan for the elimination of waste tires requires that CIWMB undertake cleanup activities for illegal tire sites, upgrade the waste tire hauler program, stimulate market activities, and implement a tire disposal fee for each new tire sold in California. The CIWMB is also responsible for the oversight of the State’s used oil and household hazardous waste recycling programs. The CIWMB works in conjunction with local governments and private organizations to encourage Californians, through public outreach and grant programs, to properly manage and recycle used motor oil and hazardous household products.

Cal/EPA Goals 2, 4, 5, 7, and 8

Accomplishments

1. **Five-Year Plan:** CIWMB will continue to implement the provisions of the five-year plan, including addressing staffing needs, managing various contracts, implementing priorities for cleanup set in the plan, and awarding and administering grants under the six grant programs. The two-year revision effort, mandated by SB 876 (Escutia, Chapter 838, Statutes of 2000), began in the fall. Workshops with stakeholders were held on October 1, 10, and 17 to gather comments on how the plan has worked to date and what changes would help.
2. **Remediation of Illegal Sites**
 - **Westley Tire Fire Site:** CIWMB has completed the field activities for the cleanup of the Filbin tire fire sites in Westley.
 - **Tracy Tire Fire Site:** U.S. EPA has completed the initial site characterization work. The CIWMB is coordinating with U.S. EPA and other Cal/EPA entities to develop a remedial action plan for this site. In addition, the CIWMB is in the process of awarding contracts and beginning implementation of the remedial action plan and the cleanup of the site.
3. **Waste Tire Recycling Conference:** CIWMB awarded a contract and entered into an agreement with California State University, Sacramento, to sponsor a conference in Northern California in the fall of 2003.
4. **Waste Tire Manifest Tracking/Monitoring System:** In November 2001, the CIWMB held workshops on the development of the new used/waste tire manifest. After several recommended changes by industry, a pilot program was initiated to determine the effectiveness of this system. This new manifest system was intended to begin October 1; however, implementation has been delayed until July 1, 2003.
5. **Technical Working Groups**
 - **California Resource Recovery Association, Household Hazardous Waste Technical Council:** CIWMB participates in this ad hoc household hazardous waste group that studies extended producer responsibility issues that includes CRTs and e-waste. In 2002, this group began examining issues related to paint.
 - **Household Hazardous Waste Standardization Committee:** CIWMB participates in this national committee, whose goal is to develop a cost calculator to compare the costs and efficiencies of various household hazardous waste programs.
6. **Community Based Social Marketing:** Staff conducted or participated in workshops and training sessions to introduce grantees to various social marketing techniques designed to supplement or replace their existing publicity and education efforts.

7. **Used Oil Recycling Forum:** CIWMB sponsored a statewide used oil forum in December 2002 to support local government and nonprofit grant managers. This forum fosters information sharing about successful used oil recycling programs. It also enhances regional partnerships and facilitates networking, which is essential to the growth and continued success of the used oil recycling program.

Priorities

1. **Waste Tire Manifest Tracking/Monitoring System:** The waste tire manifest system will be rolled out by July 1, 2003. In the spring of 2003, prior to the full implementation of the new manifest system, several training venues, instructional booklets, and a video will be available to haulers, generators, and end-use facilities throughout the state. Scanning equipment has been purchased and testing will begin in early 2003 with the new manifest forms.
2. **Five-Year Plan:** The CIWMB began the first two-year revision of the plan as required by SB 876 (Escutia, Chapter 838, Statutes of 2000). A workshop is scheduled for January 30, 2003, to present the proposed elements for fiscal years 2003–04 through 2007–08 and to begin work on the budget. The revised plan should be adopted and in effect by the July 1, 2003, deadline.
3. **Remediation and Illegal Sites:** The contract for remediation of the Tracy tire fire site will be awarded by the CIWMB at its January 2003 meeting. Work is expected to commence in the spring and take three to four years to complete. These efforts are being coordinated with the appropriate local and State regulatory agencies. Efforts are underway to reach an agreement on the remediation of the Sonoma tire piles. Tires were originally placed at these sites to address the erosion problems that plague this area. Some type of erosion control project will likely be implemented in coordination with the other Cal/EPA agencies.
4. **Community Based Social Marketing:** As a follow-up to the workshops and training sessions held at the 2002 Used Oil Forum in Pasadena, CIWMB staff is developing and planning a pilot using community-based social marketing techniques and methods to identify barriers to behavioral changes. The goal is to identify the behavioral causes of illegal dumping of used oil and the lack of used oil recycling.
5. **Re-refined Oil:** Staff will provide training to public and private fleet managers and educate the general public about the benefits of buying re-refined oil. Staff will also identify barriers to the sale and use of re-refined oil and recommend solutions.

California-Baja California Border Environmental Program

CIWMB is participating in the California-Baja California border environmental program, which involves the work of various State and local agencies in California and Mexico that are addressing air and water pollution, hazardous waste contamination, and other environmental problems in the border region.

Cal/EPA Goal 5

Priorities

Used Tire Hauler: CIWMB will conduct training of Mexican used tire haulers (llaneros) to conform to proposed regulatory changes for waste/used tire hauler registration and manifesting.